

METHOD OF PREPARING A PROTEIN ARRAY BASED ON  
BIOCHEMICAL PROTEIN-PROTEIN INTERACTION

ABSTRACT OF THE DISCLOSURE

5 A method of preparing a protein array based on  
biochemical protein-protein interaction is provided. An  
array of a first protein which includes a PDZ domain is  
deposited on a substrate. A second protein, which  
includes an amino acid sequence (S/T)-X-(V/I/L)-COOH  
10 (each hyphen represents a peptide bond, each parenthesis  
encloses amino acids which are alternatives to one other,  
each slash within such parentheses separates the  
alternative amino acids, and the X represents any amino  
acid which is selected from the group comprising the  
15 twenty naturally occurring amino acids), is applied to  
the first protein array. The amino acid sequence (S/T)-  
X-(V/I/L)-COOH of the second protein is bound to the PDZ  
domain of the first protein.